Index of Claims

| App | lica | tior | ı/Co | ntrol | No. |
|-----|------|------|------|-------|-----|
|-----|------|------|------|-------|-----|

10/829,141

Examiner

Joseph Nguyen

Applicant(s)/Patent under Reexamination

KIM ET AL.
Art Unit

2815

| √ | Rejected |
|---|----------|
| П | Allowed |

| - | (Through numeral) Cancelled |
|---|--------------------------------|
| | |

Restricted

| N | Non-Elected |
|---|-------------|
| | |

.I Interference

| | A | Appeal |
|---|---|----------|
| 1 | 0 | Objected |

| Cla | im | Date | | | | Claim Date | | | | | | | | ٦ | Γ | Cla | aim | Date | | | | | | | | | | | | | | | | |
|--|----------|--|--|--|--|--|--|--|--|----------|----------|--|----------|----------|----------|----------|----------------|----------|----------|----------|---------------|-----------|----------|-------|------------|----------|----------|----------|----------|-------------|----------|----------|----------|----------|
| | | | | | | | | | | ╗ | T | | | | | | | | | | | | | | | | | | | | | | | |
| ਯ | Original | | | | | | | | | | 7 | | Original | | | | | ı | | | | | - [| a | Original | | | | | | | | | . 1 |
| Final | rigi | | | - | | | | | | | Final | | Ē | | | | | 1 | | | | - | | Final | . <u>ē</u> | | .] | | | | | | | . 1 |
| - | Ō | | | | | | | | l | | " | | ō | | | | l | ٠ | ļ | - 1 | | | ١ | - | Ō | | | | | | | | | . 1 |
| | 1 | 1 | | \vdash | | \vdash | | Н | \dashv | -1 | - | + | 51 | \dashv | \dashv | \dashv | \dashv | | | \dashv | \dashv | | ŀ | | 101 | | | | - | | \dashv | \dashv | \dashv | \dashv |
| ļ | | - | - | - | | | - | | \dashv | ᅼ | - | | 52 | \vdash | - | \dashv | | | - | \dashv | - | -1 | ⊦ | | 102 | | Н | | \dashv | _ | H | | \dashv | \dashv |
| | 2 | н | | _ | | _ | _ | Н | Н | \dashv | - | | | - | \dashv | \dashv | \dashv | - | - | \dashv | - | - | ŀ | | | _ | - | _ | _ | | | \dashv | \dashv | \dashv |
| <u> </u> | 3 | 1 | | _ | \vdash | <u> </u> | _ | | - | _ | | | 53 | | | | | | - | | | | ŀ | | 103 | | Ш | _ | _ | _ | | | - | |
| <u> </u> | 4 | Щ | | | | | _ | | | _ | _ | | 54 | _ | | \dashv | _ | _ | _ | _ | _ | 4 | ŀ | | 104 | | Ш | | _ | _ | Ш | \dashv | _ | |
| | 5 | Щ | | | | Ш | <u> </u> | | | [| - | | 55 | | _ | | _ | | _ | _ | | _ | ŀ | | 105 | | | _ | _ | | Ш | _ | \dashv | \dashv |
| ļ | 6 | 1 | | Ш | _ | _ | | Щ | | | | 4 | 56 | | | | | | _ | _ | | _ | - | | 106 | | | | | | Ш | _ | _ | - |
| | 7 | Ш | | | | | <u> </u> | | | _ | | | 57 | | _ | \Box | _ | _ | | _ | _ | 4 | L | | 107 | | | | | _ | | _ | _ | \dashv |
| <u> </u> | 8 | Щ | | | | | | | | _ | | | 58 | • | _ | _ | _ | _ | | | _ | _ | ŀ | | 108 | | Щ | | _ | _ | _ | | _ | _ |
| | 9 | Ц | | | | | | Ш | | _ | | | 59 | | _ | | _ | | | _ | | _ | L | | 109 | | | | _ | | | | \dashv | |
| | 10 | Ш | | | | | L | | | | | | 60 | | | | | | \Box | | | | L | | 110 | | | | | | | | \perp | |
| | 11 | Ш | | | | | | | | ╝ | | | 61 | | | | | | | | | ╛ | L | | 111 | | | | | | | | | |
| | 12 | | | | | | L | | | | | | 62 | | | | | | | | \Box | ╝ | | | 112 | | | | | | | | | |
| | 13 | | | | | | | | | \Box | | | 63 | | | | | | | | \Box | | Γ | | 113 | | | | | | | | T | |
| | 14 | | | | | | | | | | | | 64 | | | | | \Box | | | | | Γ | | 114 | | | | | | | | | |
| | 15 | П | | | | | | | | | | Ì | 65 | | | | | 一 | \neg | \neg | \neg | | ſ | | 115 | | | | | | П | \neg | \neg | |
| | 16 | П | | П | | | | П | | \Box | | | 66 | | | | | \neg | | | \neg | 7 | Γ | | 116 | | | | | | | | \neg | \Box |
| | 17 | П | | | | | | | | | | | 67 | | | | | ヿ | \neg | | - 1 | 7 | Γ | | 117 | | | | | | | | \neg | |
| | 18 | \mathbf{H} | | | | \vdash | _ | | | | | | 68 | | | | | | | | | 7 | r | | 118 | | | | | | | | | \neg |
| | 19 | Н | | | | _ | \vdash | Н | | \neg | | | 69 | | | | _ | _ | \neg | \neg | 一 | ┪ | ۲ | | 119 | | | | | | | \neg | ヿ | |
| | 20 | H | _ | - | | - | \vdash | \vdash | \vdash | \dashv | - | 十 | 70 | - | | _ | - | ㅜ | - | - | + | \dashv | ╁ | | 120 | | | | \dashv | _ | \vdash | \dashv | \dashv | \neg |
| | 21 | Н | | | - | | | \vdash | Н | \dashv | - | + | 71 | \vdash | | \neg | \dashv | | - | \neg | | \dashv | ŀ | | 121 | | | | _ | | Н | | \dashv | \Box |
| | 22 | Н | - | - | ⊢ | H | | H | - | | | ╅ | 72 | - | | | \dashv | \dashv | - 1 | \dashv | \dashv | \dashv | ŀ | | 122 | | | | | | Н | | \dashv | |
| - | 23 | H | | H | | \vdash | | \vdash | ٠., | | - | \dashv | 73 | | - | | \dashv | \dashv | \dashv | \dashv | \dashv | \dashv | ŀ | | 123 | | - | | \vdash | | H | \dashv | \dashv | \dashv |
| ļ | | μ | | - | _ | | _ | \vdash | H | | | + | 74 | - | | | \dashv | \dashv | ᅱ | - | | | ŀ | | 124 | | | _ | _ | _ | Н | - | \dashv | - |
| | 24 | ┝ | | \vdash | <u> </u> | | - | - | Н | - | | + | | _ | | - | | \dashv | \dashv | \dashv | \dashv | | ŀ | | | | | | - | | H | \dashv | \dashv | \vdash |
| | 25 | <u> </u> | | \vdash | \vdash | | _ | \vdash | Н | _ | <u> </u> | + | 75 | | | | \dashv | \dashv | - | _ | - | | ŀ | | 125 | | | | | | - | \dashv | - | |
| | 26 | <u> </u> | | | _ | ļ | <u> </u> | Щ | Щ | | | \dashv | 76 | _ | | | | \dashv | _ | \dashv | | | - | | 126 | | | | | | | _ | | |
| <u> </u> | 27 | <u> </u> | | | _ | <u> </u> | | | Ш | | | - | 77 | _ | | | | _ | | | \rightarrow | _ | F | | 127 | | | _ | _ | | \Box | _ | - | |
| L | 28 | <u>L</u> | | | <u> </u> | _ | _ | | | | \perp | 4 | 78 | _ | | _ | | _ | _ | _ | | _ | L | | 128 | | | | | | Ш | _ | _ | _ |
| | 29 | _ | Щ | | <u> </u> | <u> </u> | | | | | \perp | _ | 79 | \Box | | | · | | | _ | _ | _ | L | | 129 | | | | | | _ | _ | _ | - |
| <u> </u> | 30 | L | Щ | | L_ | _ | _ | | | | \vdash | 4 | 80 | | | | | | | | _ | _ | L | | 130 | | | | | | | | _ | |
| L | 31 | L | L | | | | | | | | <u> </u> | _ | 81 | \Box | | | | _ | \Box | _ | | | L | | 131 | | | | | | Ш | | _ | |
| | . 32 | | $ldsymbol{ld}}}}}}$ | $ldsymbol{ld}}}}}}$ | $ldsymbol{ld}}}}}}$ | L | L | _ | Ш | | | \perp | 82 | | | | | | | | | _ | L | | 132 | | ļ | | | | Ш | | | |
| | 33 | L | | | | | | | | | | \perp | 83 | | | | | | | | | \Box | | | 133 | | | | | | | Ŀ | | |
| | 34 | | | | | Ĺ | | | | | | $oldsymbol{ol}}}}}}}}}}}}}}} $ | 84 | | | | | | | | | | | | 134 | | | | | | | | | |
| | 35 | | Ĺ | | | | | | | | | floor | 85 | | | | | | | | | | | | 135 | | | | | | | | | |
| | 36 | | | | | | | | | | | | 86 | | | | | | | | | | | | 136 | | | | | | | | | |
| | 37 | | | | | | | | | | | _T | 87 | | | | | | | | | | Γ | | 137 | | | | | | | | | |
| | 38 | | | Г | | | | Г | | | | ┪ | 88 | | | | | | • | | | | ſ | | 138 | | | | | | | | | |
| | 39 | Г | | | | | Π | П | | | | \dashv | 89 | | | | | | | | | \neg | Ī | | 139 | | | | | | | | | \neg |
| | 40 | | | П | Ī | | | П | П | | | ヿ | 90 | | | | | | | | | ╗ | ľ | - | 140 | | | | | | | \Box | ヿ | П |
| | 41 | | | | | | T | П | | \Box | | \dashv | 91 | | | | | | | | | \dashv | ١ | | 141 | | | | | | | | \dashv | \neg |
| | 42 | | \vdash | | | | \vdash | П | | \dashv | | + | 92 | | | | | | | | | \exists | t | | 142 | | П | | | | | | \dashv | Н |
| <u> </u> | 43 | Т | <u> </u> | \vdash | \vdash | 1 | | | - | | | \dashv | 93 | | | | \Box | \neg | | | | \dashv | ŀ | | 143 | - | Т | | | | | | | \dashv |
| | 44 | | | | | ┢ | | | | \dashv | <u> </u> | \dashv | 94 | | - | | \vdash | \dashv | \vdash | | \dashv | \dashv | + | | 144 | Η- | \vdash | \vdash | _ | | \vdash | | \dashv | \dashv |
| | 45 | | ┢ | | | H | \vdash | \vdash | \vdash | Н | \vdash | + | 95 | - | \vdash | | \vdash | \neg | | | \dashv | \dashv | ŀ | | 145 | | | \vdash | \vdash | _ | - | | \dashv | \vdash |
| <u> </u> | 46 | | ├─ | | | \vdash | \vdash | ₩ | \vdash | \vdash | - | \dashv | 96 | \vdash | \vdash | \vdash | \vdash | \dashv | | - | | \dashv | ŀ | | 146 | - | \vdash | \vdash | | | H | | \dashv | Н |
| | 47 | ├ | - | \vdash | \vdash | \vdash | \vdash | \vdash | \vdash | Н | \vdash | + | 97 | \vdash | \vdash | | \vdash | \dashv | \vdash | - | \dashv | \dashv | \vdash | | 147 | - | - | - | \vdash | | \vdash | | \dashv | Н |
| | 48 | \vdash | \vdash | - | | - | - | | \vdash | Н | \vdash | + | 98 | Н | H | | \vdash | \dashv | \vdash | - | + | \dashv | + | | 148 | | - | | | — | | | \dashv | Н |
| | 49 | | \vdash | \vdash | | - | ├ | ┼ | | Н | \vdash | + | 99 | \vdash | | | \vdash | - | \dashv | | -+ | \dashv | 1 | | 149 | - | \vdash | \vdash | \vdash | \vdash | \vdash | Н | | \dashv |
| — | 50 | - | \vdash | \vdash | - | - | - | ┢ | - | \vdash | <u> </u> | \dashv | 100 | \vdash | \vdash | | $\vdash\vdash$ | - | \vdash | | + | \dashv | + | | 150 | \vdash | \vdash | \vdash | H | \vdash | \vdash | \vdash | - | \vdash |
| Щ_ | 1 30 | | L | 1. | 1 | 1 | 1 | 1 | | ш | | | 100 | ı | | | | | | | | | L | | LIJU | | 1 | 1 . | 1 | 1 | 1 | | | لـــا |